AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims

Claim 1 (Currently Amended): A receiver comprising:

a receiving unit which receives a multiplex wave of a first broadcasting wave and a second broadcasting wave and outputs a received signal;

a first filter which extracts only the first broadcasting wave from the received signal and outputs a first broadcasting wave signal;

a second filter which extracts the first broadcasting wave and the second broadcasting wave from the received signal and outputs a second broadcasting wave signal;

a first AGC unit which receives a signal indicative of a level of the first broadcasting wave signal and controls a gain of the first broadcasting wave signal based on the [[a]] level of the first broadcasting wave signal;

a second AGC unit which receives a signal indicative of a level of the second broadcasting wave signal and controls a gain of the second broadcasting wave signal based on the [[a]] level of the second broadcasting wave signal;

an AGC adjusting quantity determining unit which analyzes a receiving condition of the first broadcasting wave signal and determines an AGC adjusting quantity based on an analyzed result; and

an AGC adjusting unit which adjusts an AGC quantity of the second AGC unit according to the AGC adjusting quantity.

Claim 2 (Currently Amended): The receiver according to claim 1, wherein the AGC adjusting quantity determining unit comprises:

a carrier detecting unit which detects carriers of the first broadcasting wave signal;

a threshold value analyzing unit which determines the receiving condition of the first broadcasting wave signal by comparing detected carriers with a predetermined threshold value ~~values~~; and

a unit which determines the AGC adjusting quantity based on a determining result by the threshold value analyzing unit.

Claim 3 (Original): The receiver according to claim 1, wherein the threshold value analyzing unit comprises:

a unit which compares the detected carriers with the predetermined threshold value;

a unit which compares a number of carriers having a level larger than the predetermined threshold value with a predetermined number; and

a unit which executes an adjustment by the AGC adjusting unit in a case that the number of carriers having the level larger than the predetermined threshold value is smaller than the predetermined number.

Claim 4 (Original): The receiver according to claim 2, wherein the receiving condition of the broadcasting wave signal comprises a condition associated with a range of the receiver from a broadcasting antenna for the first broadcasting wave signal and a condition of a fading.

Claim 5 (Currently Amended): The receiver according to claim 1, wherein the AGC adjusting quantity determining unit comprises:

a carrier detecting unit which detects carriers of the first broadcasting wave signal;

a time-variation quantity analyzing unit which outputs a time-variation quantity indicating a level variation of the carriers ~~carrier~~ during a predetermined time; and

a unit which determines the AGC adjusting quantity in accordance with the time-variation quantity.

Claim 6 (Currently Amended): An AGC method comprising:

a process of receiving a multiplex wave of a first broadcasting wave and a second broadcasting wave and outputting a received signal;

a process of extracting only the first broadcasting wave from the received signal and outputting a first broadcasting wave signal;

a process of extracting the first broadcasting wave and the second broadcasting wave from the received signal and outputting a second broadcasting wave signal;

a first AGC process of receiving a signal indicative of a level of the first broadcasting wave signal and controlling a gain of the first broadcasting wave signal based on the [[a]] level of the first broadcasting wave signal;

a second AGC process of receiving a signal indicative of a level of the second broadcasting wave signal and controlling a gain of the second broadcasting wave signal based on the [[a]] level of the second broadcasting wave signal;

an AGC adjusting quantity determining process of analyzing a receiving condition of the first broadcasting wave signal and determining an AGC adjusting quantity based on an analyzed result; and

an AGC adjusting process of adjusting an AGC quantity utilized in the second AGC process according to the AGC adjusting quantity.